

STEREO MOC Status Report
Time Period: 2014:118 - 2014:124

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 119, during the DSS-43 support, hardware issues resulted in intermittent antenna pointing errors during the first part of the support. Once these issues were resolved, MOps repositioned all SSR pointers to recover affected data. See DR #C110167 for more information.
- On day 123, during the DSS-26 support, the transmitter tripped off at 1752z. The subsequent transition from 2-way to 1-way resulted in the loss of 427 frames of SSR data. To avoid further data loss, MOps requested to remain 1-way for the remainder of the track. See DR #G115009 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 119, MOps permanent macro release 1.1.20 was loaded to RAM. This release removed all SSR housekeeping double playback commands from all relevant macros.
- On day 120, the 67th momentum dump was executed successfully at 1500z, which imparted a delta V of 0.0873 m/sec.
- On day 121, the G&C parameter hga_stoplo was modified from 0.0 to 0.11519173 radians (6.6 degrees) in RAM. This update is intended to prevent the HGA from continuing on through lower pointing angles and capping the HGA feed temperature at a safe level.
- The average daily SSR playback volume for Ahead was 5.3 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 120, during the DSS-43 support, the transmitter tripped off at 0202z. The subsequent transition from 2-way to 1-way resulted in the loss of 2050 frames of SSR data. To avoid further data loss, MOps requested to remain 1-way for the remainder of the track. See DR #C110170 for more information.
- On day 120, during the DSS-14 support, turbo decoder lock was lost briefly at 1754z and 1817z. This anomaly resulted in the loss of two frames of SSR data.
- On day 121, during the DSS-55 support, turbo decoder lock was lost between 1216z and 1229z due to a TLP issue at the station. This anomaly resulted in the loss of thirteen minutes of SSR data. See DR #M107964 for more information.
- On day 122, during the DSS-55 support, turbo decoder lock was lost briefly at 1151z. This anomaly resulted in the loss of one frame of SSR data.
- On day 123, during the DSS-25 support, turbo decoder lock was lost briefly at 1859z. This anomaly resulted in the loss of one frame of SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 119, MOps permanent macro release 1.1.20 was loaded to RAM. This release removed all SSR housekeeping double playback commands from all relevant macros.
- On day 121, the G&C parameter hga_stoplo was modified from 0.0 to 0.10646508 radians (6.1 degrees) in RAM. This update is intended to prevent the HGA from continuing on through lower pointing angles and capping the HGA feed temperature at a safe level.
- The average daily SSR playback volume for Behind was 5.8 Gbits during this week.